Title (en)

PIXEL DRIVING CIRCUIT, PIXEL CIRCUIT, AND DISPLAY DEVICE AND DRIVING METHOD THEREOF

Title (de)

PIXELTREIBERSCHALTUNG, PIXELSCHALTUNG SOWIE ANZEIGEVORRICHTUNG UND ANSTEUERUNGSVERFAHREN DAFÜR

Title (fr)

CIRCUIT DE PILOTAGE DE PIXELS, CIRCUIT DE PIXELS, AINSI QUE DISPOSITIF D'AFFICHAGE ET SON PROCÉDÉ DE PILOTAGE

Publication

EP 3726518 A4 20210825 (EN)

Application

EP 18867321 A 20181026

Priority

- CN 201711348064 A 20171215
- CN 2018112006 W 20181026

Abstract (en)

[origin: EP3726518A1] Embodiments of the present disclosure provide a pixel driving circuit. The pixel driving circuit includes a reset circuit, a compensation and data-in circuit, a drive transistor, and a light-emitting control circuit. The reset circuit is configured to reset a voltage of a control electrode of the drive transistor according to a first and third control signals. The compensation and data-in circuit is configured to receive a reference signal from the data line according to the first control signal, receive a data signal from the data line according to a second control signal, and apply a compensation voltage to the control electrode of the drive transistor based on the reference signal, the data signal, and a voltage of the first voltage terminal. The light-emitting control circuit is configured to control the light-emitting device to emit light according to a third control signal.

IPC 8 full level

G09G 3/32 (2016.01); **G09G 3/3233** (2016.01)

CPC (source: EP US)

G09G 3/3233 (2013.01 - EP US); **G09G 3/3291** (2013.01 - US); G09G 2300/0819 (2013.01 - EP); G09G 2300/0852 (2013.01 - EP US); G09G 2300/0861 (2013.01 - EP); G09G 2310/0251 (2013.01 - EP); G09G 2310/0262 (2013.01 - EP); G09G 2320/0233 (2013.01 - US)

Citation (search report)

- [IY] JP 2008292786 A 20081204 - SONY CORP
- [Y] US 2012007848 A1 20120112 - HAN SANG-MYEON [KR], et al
- See references of WO 2019114429A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3726518 A1 20201021; **EP 3726518 A4 20210825**; CN 109935207 A 20190625; CN 109935207 B 20210413; US 11282451 B2 20220322; US 2021366387 A1 20211125; WO 2019114429 A1 20190620

DOCDB simple family (application)

EP 18867321 A 20181026; CN 201711348064 A 20171215; CN 2018112006 W 20181026; US 201816345146 A 20181026